

What is claimed is:

1. An ink jet printer comprising:
  - an ink heating device for heating an ink whose viscosity decreases as temperature increases;
  - a printing head for jetting an ink heated by the heating device onto a recording medium;
  - a carrying device for carrying the recording medium while supporting the recording medium to face a nozzle-plate of the printing head; and
  - a cooling device for cooling the recording medium in an upstream side with respect to a position where an ink placed on the recording medium is cured, in a carrying direction of the recording medium by the carrying device.
2. The printer of claim 1, wherein the cooling device and the ink heating device are connected to be capable of conducting heat, and the ink heating device heats an ink by utilizing a heat radiation which is generated from the cooling device by cooling the recording medium.
3. The printer of claim 2, wherein the cooling device and the ink heating device are connected by a heat pipe.

4. The printer of claim 1, wherein the cooling device comprises a peltier device.

5. The printer of claim 1, wherein the cooling device comprises a frigistor device.

6. The printer of claim 1, further comprising a cap member to cover the nozzle-plate at a time of maintenance of the printing head, the cap member being separated from the nozzle-plate at a time of image recording,

wherein the cooling device cools the recording medium between the cap member and the printing head at a time of image recording, and is removed from a position where the recording medium is cooled at a time of maintenance.

7. The printer of claim 6, wherein a rotary shaft is provided at one end side or the other end side of the cooling device so as to be spaced from the nozzle-plate of the printing head, the rotary shaft extending along a direction perpendicular to the carrying direction, and the cooling device is removed from the position where the recording medium is cooled by rotating the cooling device about 90 degrees around the rotary shaft as a center.